STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

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GARLAND B. GARRETT JR.
SECRETARY

MEMORANDUM TO: J. M. Lynch, P.E.
State Traffic Engineer

ATTENTION: T. A. Peoples, P.E.

FROM: W. J. Rogers, P.E.
State Bridge Design Engineer W. J. Rogers JLB

DATE: November 26, 1996

SUBJECT: Metal Strain Poles Footing Designs and Specifications for 30' and 35' Poles

STATE PROJECT: N/A
F. A. PROJECT: N/A
COUNTY: Statewide
DESCRIPTION: Typical Intersection Design (Examples 1 and 2)

As requested, we have designed the poles and foundations for the proposed traffic signal structures for maximum loading intersection designs labeled Examples 1 and 2.

The material and foundation were designed under certain conditions as follows:

1. Pole and base plate designs were based on the most commonly used sizes and designs commercially available.

2. The pole and foundation designs were based on the mounting height to be no closer than 18 inches from the top of the pole for all poles.

Please find attached details for foundations, base plates, anchor bolts, county wind classifications and metal strain pole notes.

If you have any questions, please notify the Structure Design Unit at 250-4047.

WJR/JLB/dgp

Attachments